ASSIGNMENT

| | | (1) <u>Hideki KIRINO</u> | (5) | COP | |
|-----------------------------------|--|--|---|--|--|
| | | (2) Tetsuo HIRAGA | | | |
| (1-8) | Insert Name(s) of Inventor(s) | (3) | | | |
| | | (4) | • | | |
| | •. • | In consideration of the sum of do paid to each of the undersigned, the transfer and set over to | ollar (\$1.00) and other go | ood and valuable consideration | |
| (9) | Insert name of Assignee | (9) MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD. | | | |
| (10) | Insert address of Assignee | (10) 1006, Oaza Kadoma, Kadoma-shi, Osaka | | 1-8501 JAPAN | |
| | | (hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as | | | |
| (11) | Insert Identification of | (11) TRANSMISSION APPARATU | (11) TRANSMISSION APPARATUS AND TRANSMISSION METHOD | | |
| | Invention, such as Title, Case Number or Foreign | ((| (Case No. HYAE: 093) | | |
| | Application Number for which the undersigned has (have) executed an application for particle the united of America | | | | |
| (12) | Insert Date of Signing of | (12 on January 7, 2000 | | | |
| (13) | Application Alternative identification | (13) U.S. application Serial Number 09/423,356 filed November 23, 1999 OCT 0 3 2003 Technology Center 260 | | | |
| (.5) | for filed applications | filed November 23, 1999 | | Technology Center 2600 | |
| with c patent United entire have) | 3) The undersigned agree(s) to laims or provisions of the Internati 4) The undersigned agree(s) to to the Assignee. 5) The undersigned hereby autilistates resulting from said applical interest, and hereby covenants that not executed and will not execute, 6) The undersigned hereby granther identification which may be not recordation of this document. In witness whereof, executed | execute all papers and documents and prior and Convention for Protection of Industrial perform all affirmative acts which may thorize(s) and request(s) the Commissionation or any divisions or continuing applicable has (they have) full right to convey the any agreement in conflict herewith. Int(s) the firm of PARKHURST & WE excessary or desirable in order to comply when the undersigned on the date(s) opensional contents. | perform any act which metrial Property or similar as be necessary to obtain a er of Patents to issue any cations thereof to the said the entire interest herein a NDEL, L.L.P. the power with the rules of the Uniterest the undersigned as | ay be necessary in connection agreements. grant of a valid United States and all Letters Patents of the Assignee, as Assignee of the assigned, and that he has (they er to insert on this assignment d States Patent and Trademark | |
| | Date Jan. 7, 2000 | Name of Inventor Hideki | KIRINO | ame(s). (SEAL) | |
| | Date Jan. 7, 2000 | Name of Inventor Tetsuo | HIRAGA | (SEAL) | |
| | Date | Name of Inventor | | (SEAL) | |
| | Date | Name of Inventor | | ==::: | |
| | Date | Name of Inventor | | (SEAL) | |
| | Date | | | (SEAL) | |
| | Date | Name of Inventor | | (SEAL) | |
| | Date | Name of Inventor Name of Inventor | | (SEAL) | |
| | Date Date | Name of Inventor Name of Inventor Name of Inventor | | (SEAL) (SEAL) (SEAL) | |
| U.S.A. | Date Date This assignment should preferabl | Name of Inventor Name of Inventor | f within the U.S.A. or (b | (SEAL) (SEAL) (SEAL) | |
| U.S.A. | Date Date This assignment should preferabl If neither, then it should be sign | Name of Inventor Name of Inventor Name of Inventor y be signed before: (a) a Notary Public i ed before at least two witnesses who also | f within the U.S.A. or (b | (SEAL) (SEAL) (SEAL) | |